

WEST

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L1: Entry 1 of 1

File: USPT

Mar 10, 1998

US-PAT-NO: 5727135

DOCUMENT-IDENTIFIER: US 5727135 A

TITLE: Multiple printer status information indication

DATE-ISSUED: March 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Webb; James Francis	Lexington	KY		
Wedinger; Jeffrey Keith	Lexington	KY		
Wellman; John Neil	Lexington	KY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Lexmark International, Inc.	Lexington	KY			02

APPL-NO: 8/ 691631 [PALM]

DATE FILED: August 2, 1996

PARENT-CASE:

This Application is a continuation of 08/409,563 filed Mar. 23, 1995 abandoned.

INT-CL: [6] G06 K 15/00

US-CL-ISSUED: 395/113; 395/114

US-CL-CURRENT: 358/1.14; 358/1.15

FIELD-OF-SEARCH: 395/113, 395/112, 395/114, 395/101, 395/970, 395/965, 395/966, 395/185.1, 395/184.01, 395/185.01, 395/183.22, 395/339, 395/329, 355/203, 355/204, 355/205, 355/206, 355/207, 358/406, 358/437, 358/404, 358/407, 347/19, 370/449, 345/117

PRIOR-ART-DISCLOSED:

U. S. PATENT DOCUMENTS

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	<u>5075875</u>	December 1991	Love et al.	395/117
<input type="checkbox"/>	<u>5084875</u>	January 1992	Weinberger et al.	355/205
<input type="checkbox"/>	<u>5164842</u>	November 1992	Gauronski et al.	358/401
<input type="checkbox"/>	<u>5214772</u>	May 1993	Weinberger et al.	395/575
<input type="checkbox"/>	<u>5220566</u>	June 1993	Ikenoue	370/112
<input type="checkbox"/>	<u>5220674</u>	June 1993	Morgan et al.	395/800
<input type="checkbox"/>	<u>5226112</u>	July 1993	Mensing et al.	395/114
<input type="checkbox"/>	<u>5247623</u>	September 1993	Sun	395/325
<input type="checkbox"/>	<u>5271065</u>	December 1993	Rourke et al.	382/1
<input type="checkbox"/>	<u>5303336</u>	April 1994	Kageyama et al.	395/114
<input type="checkbox"/>	<u>5323393</u>	June 1994	Barrett et al.	370/85.8
<input type="checkbox"/>	<u>5333286</u>	July 1994	Weinberger et al.	355/204
<input type="checkbox"/>	<u>5353388</u>	October 1994	Motoyama	395/117
<input type="checkbox"/>	<u>5361265</u>	November 1994	Weinberger et al.	355/205
<input type="checkbox"/>	<u>5371837</u>	December 1994	Kimber et al.	395/114
<input type="checkbox"/>	<u>5438528</u>	August 1995	Emerson et al.	364/580

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0 575 168 A1	December 1993	EPX	
94111804	May 1994	WOX	

OTHER PUBLICATIONS

Frank Hayes; "The Printers Talk Back"; Dec. 1993; pp. 1-5.
 HP JetDirect Network Interface Configuration Guide, Hewlett-Packard Manual Part No. J2371-90001, 1993, pp. iv-ix and Section 2 Software Installation and Configuration for Novell Netware Networks, pp. 2-2 through 2-18.
 HP JetDirect EX External Network Interface Configuration Guide, Hewlett-Packard Manual Part No. J2382-90101, 1993, pp. 7-12 and Section 2 Novell NetWare Networks, pp. 2-2 through 2-36.
 Lexmark WinWriter 600 User's Reference, Manual No. SA40-0779-00, 1993, Chapter 2 Using the Windows Printing System, pp. 11-26 and Chapter 3 Checking Print Status, pp. 27-39.
 Network Printing Alliance Protocol, A Printer/Host Control Specification, Level 1, Revision N, Feb. 11, 1994, Developed By The Network Printing Alliance.

ART-UNIT: 266

PRIMARY-EXAMINER: Coles, Sr.; Edward

ASSISTANT-EXAMINER: Popovici; Dov

ATTY-AGENT-FIRM: Aust; Ronald K. McArdle, Jr.; John J.

ABSTRACT:

Bidirectional communications between a host computer and a selected printer connected to the host, either locally or by way of a network, are used to provide a user of the host with access to a substantially real-time, visual and functional replica of the operator panel of the selected printer. A user at the host computer may also visually monitor the status of multiple printers at the same time from the same host display.

15 Claims, 10 Drawing figures

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L3 710/105.ccls. or 710/15.ccls. or 710/62.ccls. or 399/18.ccls. or 700/169.ccls. or 700/175.ccls. or 700/108.ccls. or 700/110.ccls. or 340/286.02.ccls. or 370/908.ccls. or 347/17.ccls. or 347/101.ccls. 6098 L3

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<u>L4</u>	11 and 13	23	<u>L4</u>
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(714/47)!.CCLS. or 714/39.ccls. or 709/217.ccls. or 709/224.ccls. or 709/223.ccls. or 709/249.ccls. or 709/238.ccls. or 710/1.ccls. or

<u>L3</u>	710/105.ccls. or 710/15.ccls. or 710/62.ccls. or 399/18.ccls. or 700/169.ccls. or 700/175.ccls. or 700/108.ccls. or 700/110.ccls. or 340/286.02.ccls. or 370/908.ccls. or 347/17.ccls. or 347/101.ccls.	6098	<u>L3</u>
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Systems, Man, and Cybernetics, 1999. IEEE SMC '99 Conference Proceedings IEEE International Conference on , Volume: 5 , 1999

Page(s): 636 -641 vol.5

[\[Abstract\]](#) [\[PDF Full-Text \(520 KB\)\]](#) **CNF****2 An integrated distributed motor monitoring system***Prasad, D.; Radhanand, A.*

TENCON '98. 1998 IEEE Region 10 International Conference on Global Communications, Energy, Computer, Communication and Control , Volume: 2 , 1998

Page(s): 575 -579 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(300 KB\)\]](#) **CNF****3 Current status and future prospects of poly-Si devices***Clark, M.G.*

Circuits, Devices and Systems, IEE Proceedings- , Volume: 141 Issue: 1, Feb 1994

Page(s): 3 -8

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) **JNL****4 Knowledge-based restoration guidelines***Delfino, B.; Invernizzi, M.; Morini, A.*

IEEE Computer Applications in Power , Volume: 5 Issue: 3, July 1992

Page(s): 54 -59

[\[Abstract\]](#) [\[PDF Full-Text \(996 KB\)\]](#) **JNL**

5 Japanese I/O technology-where it is and how it got there

Myers, R.A.

CompEuro '89., 'VLSI and Computer Peripherals. VLSI and Microelectronic Applications in Intelligent Peripherals and their Interconnection Networks', Proceedings. , Page(s): P/2 -P/8

[\[Abstract\]](#) [\[PDF Full-Text \(648 KB\)\]](#) **CNF**

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SEARCH RESULTS [PDF Full-Text (300 KB)] PREVIOUS NEXT

An integrated distributed motor monitoring system
 - *Prasad, D.; Radhanand, A.*
 Editor(s): Dutta Roy, S.C., Purkayastha, P., Mukhopadhyay, S., Aditya, S., Ku Gopal, M.
 Corp. Res. & Dev. Div., Bharat Heavy Electr. Ltd., Hyderabad, India
This paper appears in: TENCON '98. 1998 IEEE Region 10 International Conference on Global Connectivity in Energy, Computer, Communication and Control
 On page(s): 575 - 579 vol.2
 17-19 Dec. 1998
 New Delhi, India
 1998
 Volume: 2
 ISBN: 0-7803-4886-9
 IEEE Catalog Number: 98CH36229
 Number of Pages: 2 vol. xvii+652
 References Cited: 3
 INSPEC Accession Number: 6460985

Abstract:
 This paper describes a state-of-the-art distributed motor monitoring system (DMMS) computer based system communicating with individual equipment monitoring (EMUs) distributed in the field and connected in a network. The EMUs are connected in a daisy chain with a proprietary communication protocol. DMMS is an on-line system developed in the Windows environment. The principal functions of DMMS are parameter trending, fault logging, historical fault database generation, plant/process mimics with on-line display of machine status, implementation of advanced fault detection techniques with suggested remedial action and report generation. In applications, which require monitoring of multiple motors from a centralized location, DMMS offers a technically viable and economically attractive solution.

Index Terms:
 electric motors; computerised monitoring; electric machine analysis; computer diagnosis; integrated distributed motor monitoring system; state-of-the-art; individual equipment monitoring units; daisy chain connection; communication protocol; on-line system; Windows environment; fault logging; parameter trending; parameter trending; historical fault database generation; plant/process mimics; machine status on display; report generation

SEARCH RESULTS [PDF Full-Text (300 KB)] PREVIOUS NEXT

WEST

L4: Entry 8 of 23

File: USPT

Feb 22, 2000

DOCUMENT-IDENTIFIER: US 6029198 A

TITLE: Information processing method and apparatus, and method and apparatus for controlling network devices

Detailed Description Paragraph Right (21):

The installation of an agent on a network board for connecting a printer to a network will be considered as an example of agent installation. This makes it possible to place the printer under the management of the network management software. By using the network management software, a user can obtain information on the printer under control and can modify the status of the printer. More specifically, the user can get the character string being displayed on a liquid crystal display panel of the printer, for example, and can change the paper supply cassette that is the default. An example in which a network board (NEB) with an installed agent is connected to a printer will be now described.

Current US Original Classification (1):709/223

WEST

L4: Entry 8 of 23

File: USPT

Feb 22, 2000

US-PAT-NO: 6029198

DOCUMENT-IDENTIFIER: US 6029198 A

TITLE: Information processing method and apparatus, and method and apparatus for controlling network devices

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Iizuka; Yoshio	Yokohama			JPX

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Canon Kabushiki Kaisha	Tokyo			JPX	03

APPL-NO: 9/ 070917 [PALM]

DATE FILED: May 4, 1998

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	9-121298	May 12, 1997

INT-CL: [7] G06 F 13/00

US-CL-ISSUED: 709/223

US-CL-CURRENT: 709/223

FIELD-OF-SEARCH: 709/200, 709/201, 709/202, 709/203, 709/217, 709/218, 709/219, 709/220, 709/221, 709/222, 709/223, 709/224

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>5774667</u>	June 1998	Garvey et al.	709/222
<input type="checkbox"/> <u>5935217</u>	August 1999	Sakai et al.	709/249

ART-UNIT: 277

PRIMARY-EXAMINER: Meky; Moustafa M.

ATTY-AGENT-FIRM: Fitzpatrick, Cella, Harper & Scinto

ABSTRACT:

A network device control method and apparatus for controlling various devices connected to a network cause a setting sheet that is for setting the environment of

a device to be displayed on a screen so that the environment of the device may be set. A request for read-out of management information corresponding to each control on the setting sheet is transmitted to the network. If read-out of the management information succeeds, the information is set in the corresponding control and the display state thereof is enabled. If read-out fails and the reason is that the device does not support the date, then the name of the control is displayed in gray and the display is not displayed at all. If the function is one supported by the device, on the other hand, then the name of the control is displayed at ordinary brightness and the corresponding data is displayed in gray.

33 Claims, 13 Drawing figures